

Glu Glu Met Lys Lys His Glu Ser Asn Asn Val Gly Leu Leu Glu Asn  
 420 425 430  
 Leu Thr Asn Gly Val Thr Ala Gly Asn Gly Asp Asn Gly Leu Ile Pro  
 435 440 445  
 Gln Arg Lys Ser Arg Thr Pro Glu Asn Gln Gln Phe Pro Asp Asn Glu  
 450 455 460  
 Ser Glu Glu Tyr His Arg Ile Cys Glu Leu Val Ser Asp Tyr Lys Glu  
 465 470 475 480  
 Lys Gln Met Pro Lys Tyr Ser Ser Glu Asn Ser Asn Pro Glu Gln Asp  
 485 490 495  
 Leu Lys Leu Thr Ser Glu Glu Glu Ser Gln Arg Leu Glu Gly Ser Glu  
 500 505 510  
 Asn Gly Gln Pro Glu Leu Glu Asn Phe Met Ala Ile Glu Glu Met Lys  
 515 520 525  
 Lys His Glu Ser Thr His Val Gly Phe Pro Glu Asn Leu Thr Asn Gly  
 530 535 540  
 Ala Thr Ala Gly Asn Gly Asp Asp Gly Leu Ile Pro Pro Arg Lys Ser  
 545 550 555 560  
 Arg Thr Pro Glu Ser Gln Gln Phe Pro Asp Thr Glu Asn Glu Glu Tyr  
 565 570 575  
 His Ser Asp Glu Gln Asn Asp Thr Gln Lys Glu Phe Cys Glu Glu Gln  
 580 585 590  
 Asn Thr Gly Ile Leu His Asp Glu Ile Leu Ile His Glu Glu Lys Glu  
 595 600 605  
 Ile Glu Val Val Glu Lys Met Asn Ser Glu Leu Ser Leu Ser Cys Lys  
 610 615 620  
 Lys Glu Lys Asp Ile Leu His Glu Asn Ser Thr Leu Arg Glu Glu Ile  
 625 630 635 640  
 Ala Met Leu Arg Leu Glu Leu Asp Thr Met Lys His Gln Ser Gln Leu  
 645 650 655

<210> 380  
 <211> 671  
 <212> PRT  
 <213> Homo sapien

<400> 380  
 Met Val Val Glu Val Asp Ser Met Pro Ala Ala Ser Ser Val Lys Lys  
 1 5 10 15  
 Pro Phe Gly Leu Arg Ser Lys Met Gly Lys Trp Cys Cys Arg Cys Phe  
 20 25 30  
 Pro Cys Cys Arg Glu Ser Gly Lys Ser Asn Val Gly Thr Ser Gly Asp  
 35 40 45  
 His Asp Asp Ser Ala Met Lys Thr Leu Arg Ser Ser Lys Met Gly Lys Trp  
 50 55 60  
 Cys Arg His Cys Phe Pro Cys Cys Arg Gly Ser Gly Lys Ser Asn Val  
 65 70 75 80  
 Gly Ala Ser Gly Asp His Asp Asp Ser Ala Met Lys Thr Leu Arg Asn  
 85 90 95  
 Lys Met Gly Lys Trp Cys Cys His Cys Phe Pro Cys Cys Arg Gly Ser  
 100 105 110  
 Gly Lys Ser Lys Val Gly Ala Trp Gly Asp Tyr Asp Ser Ala Phe  
 115 120 125  
 Met Glu Pro Arg Tyr His Val Arg Gly Glu Asp Leu Asp Lys Leu His  
 130 135 140  
 Arg Ala Ala Trp Trp Gly Lys Val Pro Arg Lys Asp Leu Ile Val Met  
 145 150 155 160  
 Leu Arg Asp Thr Asp Val Asn Lys Lys Asp Lys Gln Lys Arg Thr Ala

165	170	175	
Leu His Leu Ala Ser Ala Asn Gly Asn Ser Glu Val Val Lys Leu Leu			
180	185	190	
Leu Asp Arg Arg Cys Gln Leu Asn Val Leu Asp Asn Lys Lys Arg Thr			
195	200	205	
Ile Ala Leu Ile Lys Ala Val Gin Cys Gln Glu Asp Glu Cys Ala Leu Met			
210	215	220	
Leu Leu Glu His Gly Thr Asp Pro Asn Ile Pro Asp Glu Tyr Gly Asn			
225	230	235	
Thr Thr Leu His Tyr Ala Ile Tyr Asn Glu Asp Lys Leu Met Ala Lys			
240	245	255	
Ala Ala Leu Leu Tyr Gly Ala Asp Ile Glu Ser Lys Asn Lys His Gly			
260	265	270	
Leu Thr Pro Leu Leu Leu Gly Val His Glu Gln Lys Gln Gln Val Val			
275	280	285	
Lys Phe Leu Ile Lys Lys Lys Ala Asn Leu Asn Ala Leu Asp Arg Tyr			
290	295	300	
Gly Arg Thr Ala Leu Ile Leu Ala Val Cys Cys Gly Ser Ala Ser Ile			
305	310	315	320
Val Ser Leu Leu Glu Gln Asn Ile Asp Val Ser Ser Gln Asp Leu			
325	330	335	
Ser Gly Gln Thr Ala Arg Glu Tyr Ala Val Ser Ser His His His Val			
340	345	350	
Ile Cys Gln Leu Leu Ser Asp Tyr Lys Glu Lys Glu Met Leu Lys Ile			
355	360	365	
Ser Ser Glu Asn Ser Asn Pro Glu Gln Asp Leu Lys Leu Thr Ser Glu			
370	375	380	
Glu Glu Ser Gln Arg Phe Lys Gly Ser Glu Asn Ser Glu Pro Glu Lys			
385	390	395	400
Met Ser Gln Glu Pro Glu Ile Asn Lys Asp Gly Asp Arg Glu Val Glu			
405	410	415	
Glu Glu Met Lys Lys His Glu Ser Asn Asn Val Gly Leu Leu Glu Asn			
420	425	430	
Leu Thr Asn Gly Val Thr Ala Gly Asn Gly Asp Asn Gly Leu Ile Pro			
435	440	445	
Gln Arg Lys Ser Arg Thr Pro Glu Asn Gln Gln Phe Pro Asp Asn Glu			
450	455	460	
Ser Glu Glu Tyr His Arg Ile Cys Glu Leu Val Ser Asp Tyr Lys Glu			
465	470	475	480
Lys Gln Met Pro Lys Tyr Ser Ser Glu Asn Ser Asn Pro Glu Gln Asp			
485	490	495	
Leu Lys Leu Thr Ser Glu Glu Ser Glu Arg Leu Glu Gly Ser Glu			
500	505	510	
Asn Gly Gln Pro Glu Lys Arg Ser Glu Glu Pro Glu Ile Asn Lys Asp			
515	520	525	
Gly Asp Arg Glu Leu Glu Asn Phe Met Ala Ile Glu Glu Met Lys Lys			
530	535	540	
His Gly Ser Thr His Val Gly Phe Pro Glu Asn Leu Thr Asn Gly Ala			
545	550	555	560
Thr Ala Gly Asn Gly Asp Asp Gly Leu Ile Pro Pro Arg Lys Ser Arg			
565	570	575	
Thr Pro Glu Ser Glu Gln Phe Pro Asp Thr Glu Asn Glu Glu Tyr His			
580	585	590	
Ser Asp Glu Gln Asn Asp Thr Glu Lys Glu Phe Cys Glu Glu Gin Asn			
595	600	605	
Thr Gly Ile Leu His Asp Glu Ile Leu Ile His Glu Glu Iys Glu Ile			
610	615	620	
Glu Val Val Glu Lys Met Asn Ser Glu Leu Ser Leu Ser Cys Lys Lys			



210 383

2312 X

232 287

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400 383

Met Ala Gly Val Arg Asp Gln Gly Gln Gly Ala Arg Trp Pro Mis Thr

Gly Lys Arg Gly Pro Ieu Leu Gln Gly Leu Thr Trp Ala Thr Gly Gly  
 20 25 30

His Cys Phe Ser Ser Glu Glu Ser Gly Ala Val Asp Gly Ala Gly Glu  
35 40 45

Lys Lys Asp Arg Ala Trp Leu Arg Cys Pro Glu Ala Val Ala Gly Phe  
 59 55 60

Pro Leu Gly Ser Asp Cys Arg Glu Gly Gly Arg Gln Gly Cys Gly Gly  
 65 70 75 80

Ser Asp Asp Glu Asp Asp Leu Gly Val Ala Pro Gly Leu Ala Pro Ala  
85 90 95

Trp Ala Leu Thr Gln Pro Pro Ser Gln Ser Pro Gly Pro Gln Ser Leu  
100 105 110

Pro Ser Thr Pro Ser Ser Ile Trp Pro Gln Trp Val Ile Leu Ile Thr  
115 120 125

Glu Leu Thr Ile Pro Ser Pro Ala His Gly Pro Pro Trp Leu Pro Asn  
 130 135 140

Ala Leu Glu Arg Gly His Leu Val Arg Glu  
145 150





tggaggcaggc cccgaggcct ccctagagcc tggggcogac tctgtgnoga tgcangctt 60  
 ctctggcggc cggcctggag ctgtctctgg ctttccacca caatcagnc aggccgacgag 120  
 tagccaggcc ctgtctggca acatcgatc cttatccat cttgtttccc ggttngctt 180  
 ttatccatgtt ttccanagcc ctaceccatctt tagttctgtt ctccacccgg ttaccagcc 240  
 cactgccccg gaatctaca gccatgttcc ttcttacca ccaatgtat 300  
 gagacctccg ctatctacta tgacc 325

<210> 392  
<211> 277  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(277)  
<223> n = A,T,C or G

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 agtctcaactt nccgcnnnnn ttcttacttg agtcttcttc cccggctgtttt ccagtngnn 120  
 anttccanaga acggcataatc cttttttttttt nccctggttt tgggtttttt aatgtatgttt 180  
 tgcagtgcac caccctgtcc actatgtatc gttttttttttt tttttttttttt cttttttttttt 240  
 ctggaggatata aagccgtttttt cttttttttttt tttttttttttt 277

<210> 393  
<211> 566  
<212> DNA  
<213> Homo sapiens

<400> 393  
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 gtgtatata ttcttggatgtt ttcttggatgtt ttcttggatgtt ttcttggatgtt ttcttggatgtt 120  
 ttggccggggaa cttttttttttt tttttttttttt tttttttttttt tttttttttttt tttttttttttt 180  
 gagaaggcgtt agtcttgcac tttttttttttt tttttttttttt tttttttttttt tttttttttttt 240  
 ggggggtttt tttttttttttt tttttttttttt tttttttttttt tttttttttttt tttttttttttt 300  
 ggggtttttt tttttttttttt tttttttttttt tttttttttttt tttttttttttt tttttttttttt 360  
 cttttttttttt tttttttttttt tttttttttttt tttttttttttt tttttttttttt tttttttttttt 420  
 ttcttgcacca atgtttttttt tttttttttttt tttttttttttt tttttttttttt tttttttttttt 480  
 cttttttttttt tttttttttttt tttttttttttt tttttttttttt tttttttttttt tttttttttttt 540  
 tttttttttttt tttttttttttt tttttttttttt tttttttttttt tttttttttttt 566

<210> 394  
<211> 384  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(384)  
<223> n = A,T,C or G

<400> 394  
 gaaatcatat gtcccgccac ctggatgtca ctgtgtacatc atggccatca cggggccatcg 60  
 tggaaatting gacccggggca aggttgcactt gttttttttttt tttttttttttt tttttttttttt 120  
 ggatggggatcc cggggccatca gggatgttca gttttttttttt tttttttttttt tttttttttttt 180  
 tttttttttttt tttttttttttt tttttttttttt tttttttttttt tttttttttttt tttttttttttt 240  
 gaaatcatat gttttttttttt tttttttttttt tttttttttttt tttttttttttt tttttttttttt 300  
 aggggtacgaa aatggatgttca gttttttttttt tttttttttttt tttttttttttt tttttttttttt 360



«210» 399

213-298

<212> DNA

«213» *Homo sapiens*

大2302

<221> misc\_Lecture

<222> (1) . . . (299)

e2103 400

211 568

<212> DNA

213 *Homo sapiens*

<400> 400

«210» 401

<211> 355

<312> DNA

〈283〉 *Ricino sapientis*

〈220〉

<221> misc. feature

<222> (1)...{395}

<223> n = A, B, C or G

<400> 401



&lt;223&gt; n = A,T,C or G

&lt;405&gt; 405

```

gagctgttat actgtgggtt cracttggaa atcataaataat ctgagggttg tctggaggac 60
ttcaatcacat ccccccacat agtgaatccg ctccagggg gtcacgtcc ttctcttaat 120
ttccatccccat cccatgcaca aggaaacaccc tccctcttgc gtcacagcc ttctctggc 180
ttcccaatgc ccccaagaca gagttgggtt tgtrttccgc ttccatcttg ctgtggatgt 240
ctgggtgggt tggatccca gttttgtcgt agtgccttcat ggacagtgtc cagccccatgt 300
cattttccccat ttctcttgcgg tggatccccac cccat 334

```

&lt;210&gt; 406

&lt;211&gt; 216

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1) ... (216)

&lt;223&gt; n = A,T,C or G

&lt;406&gt; 406

```

tttcaatccat aatggggggg ttgtatnac aknnnacccag gaaatgcattt gatctcaatg 60
gaaatccaaa cccaaataaac tggggatgtgc agactgcacaa cttgtggatca tgcacttgc 120
acnnnacccat aattttatgtt tgcacccctt ttcttacaccc tgggggttat gacaaagaca 180
actggccaaatg aatnttccatg aaggaggactt gcccatt 216

```

&lt;210&gt; 407

&lt;211&gt; 413

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;407&gt; 407

```

gttggacttgc tagtataatc tgcattttttt gaaaccaaaa aactttcatgc cttggacttcat 60
gttaatggcaat taggtatccaa aataaaaaattt gataatccat gggaaacccat aaaaaatattt 120
gttacacatgtt gcaatggatc tttttttttt cttttttttt cttttttttt cttttttttt 180
ccatggatgtt tttttttttt tttttttttt cttttttttt tttttttttt tttttttttt 240
ggaaaaatgtt cttttttttt tttttttttt gatctttttt cttttttttt cttttttttt 300
ttttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 360
ttttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 413

```

&lt;210&gt; 408

&lt;211&gt; 183

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1) ... (183)

&lt;223&gt; n = A,T,C or G

&lt;408&gt; 408

```

ggatgtggcc cttttttttt cttttttttt tttttttttt tttttttttt tttttttttt 60
ttttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 120
ttttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 180
ttttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 240
ttttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 300
ttttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 360
ttttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 413

```

&lt;210&gt; 409

&lt;211&gt; 250

41











<223> n = A, T, C OR Q

x 2292 437

22132 392

〈212〉 2008

ՀԱՅԱՍՏԱՆԻ ՀԱՆՐԱՊԵՏՈՒԹՅՈՒՆ

230

<221> misc features

<222> {1}, .., {392}

42302 432

5211-387

42122 10188

१२३३ नृपो नार्पिणी

226

<221> misc\_features

«222» 13.1.1. (383)

2123-633

5211 > 383

<212> DNA

<213> Homo sapiens

226

<221> misc\_feature

<222> {2}...{281}  
<223> n = A-T/C OR 0

<210> 934

52352 484

### 62122 rRNA

<213> Homo sapiens

5492-434

42593 438

52342 424

<232> DNA

4233 *Homalanthus*

〈490〉 435

82102 836

× 211 × 687

2123 DNA

<213> Homo sapiens

52352

5221-2 MISC. TRANSACTIONS

~~3222~~ (1) . . . (66?)

<223>  $n \approx A, T \in \mathbb{Q} \oplus G$

$\leftarrow 400 \rightarrow 436$

```

accttgggaa macttcaaca atataaaaggg tccatggactt tactccaaat tccaaaagg 60
tccgttggat gtatccctgt aaggtttccccc aaggtagtgc taaaatccctt ataaagggtgc 130
atggcttctt ggatccccc tggatcccaaa gttttccatctt ccaggtttttgg aaaaagggg 190
caggtttccgg aaggccgggtt tagcaactgtt tctttccggaaa gggaaactgtt gtgcacccgg 240
atgggtttccgc agatggatgtt aaggttccatgg atctttccatgtt ccggatgggtt aacccagggtt 300
ccggatgtttt tttatggatctt aatccaaatcc cccgtttccatgtt ctgtttccggggg aataatgggtt 360

```

```

tgttcatgtt ttcggactt attcaagaat ttcttatacc ttctttttat stacttcctca 420
agtccatataat ggtgtccatcc ggcggatctgg tggtgtttgg caataatccgg tggccatcgatgg 450
gtttttttttt tggggtcgtt gggaaagggtt tcataatggcc ttctgttcctt abgcggaaac 540
ccaaaaatgtca caaaacttcaaa ctccctttgggtt agtacatctt ggtcttagecca gaaaaaaaaggc 600
ggaaaaaaatggccaaagggtt aagggtttgtt ggccttgcgcg gagggggggtt ggactcttc 660
ttttttttttt 667

```

210 437

221 > 693

### 42122 DNA

५२२३ लिंगपत्र शत्रुघ्नी

400 437

elocetos

BCBCCBCCB

२०१२ वर्षात योग्य विद्युत उपलब्ध

210 438

<212> 360

<212> DNA

<213> *Homo sapiens*

«400» 433

210 439

<211> 431

«212» DNA

<213> Homo sapiens

220

<221> misc feature

222 (1), 1990.

<223> n = A, T, C or U

4400> 439

<210> 440  
<211> 523  
<212> DNA  
<213> *Homo sapiens*

<210> 441  
<211> 430  
<212> DNA  
<213> *Homo sapiens*

<210> 442  
<211> 362  
<212> DNA  
<213> Homo sapiens

«210» 443  
«211» 624  
«212» DNA  
«213» Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(624)
<223> n = 3^m C or G
```

4400 443  
ttttttttt qcaacacaaat atacatcaca qtqaaatgtq taatcatttc aaatttcgg 60

<210> 444  
<211> 425  
<212> DNA  
<213> *Homo sapiens*

<220>  
<221> misc\_feature  
<223> (1) ... (425)  
<223> B = A, B, C or D

<210> 445  
<211> 424  
<212> DNA  
<213> *Homo sapiens*

<220>  
<221> misc\_feature  
<222> (1)...(414)  
<223> a ~ A.T.C. or

<210> 466  
<211> 631  
<212> DNA  
<213> *Homo sapiens*

<220>  
<221> misc\_feature  
<222> {1}...{631}



<222> (3) ... (706)  
<223> n = A, T, C or G

4210A 450

231 493

<212> DNA

<213> Homo sapiens

-230- 453

\*233\* 503

<212> DNA

213 *Homo sapiens*

220

<221> misc feature

<222> (1), ..., (501)

<223>  $\pi_3 = A, \mathbb{X}, C$  OR  $G$

卷之三

x2302 452

5333 > 53

### 52327 RNA

«233» Нови написи







<210> 467  
<211> 311  
<212> DNA  
<213> Homo sapiens

<220> 468  
<211> 3112  
<232> DNA  
<233> Homo sapiens

<210> 469

227 A 228 229

52132 DNA

<233> Homo sapiens

400 462

satgzaat

2230

220 470

2332 2626

5212 > DNR

<213>  *Homo sapiens*

◀◀◀◀◀ 430

4216 > 423

211 812

<232> DNA

«213» Homo sapiens

<400> 471

ggacaaaatg agtaatgtta ttatcacgtg tagaaaggtc acagtacaga tctggaaact 69  
aaatattaaa aatggatgttgc ttggatata tggatgtatgttggcccttgc aatggaccgtt 120

5210-479

2315

卷之三

42128 5000

2220

2232 message features

2214  
222

卷之三

人名表

S2303 473

62312 5829

4328 3889

◀ 223 ▶ Names and Images

4600-473



210 474

5321 > 2593

212 DNA

<233> *Homo sapiens*

5400 474

4239 x 475

<211> 2414  
<212> DNA  
<213> *Homo sapiens*

<220>  
<221> unsure  
<222> (33)  
<223> n=A,T,C or G

<400> 478  
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 ttgtatgttt tttaaaggac aaaaatttttt tccatgtttt attttttttt ctttccctgt 120  
 agctatattt tccatgtgtaa cacatgtttt achtgtgtaaa tggatgtataa gtaatgtttt 180  
 tttatccat tggcttccat tggatgtgtaaa aaaaatgttcaaa aagaatggcc cccagaaata 240  
 gttttttgtat tggatgtttt aaaaatgttcaaa aaaaatgttcaaa aaaaatgttcaaa 300  
 aaaaatgttcaaa aaaaatgttcaaa aaaaatgttcaaa aaaaatgttcaaa aaaaatgttcaaa 360  
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 gttttttttttt gttttttttttt gttttttttttt gttttttttttt gttttttttttt gttttttttttt 480  
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 aaaaatgttcaaa aaaaatgttcaaa aaaaatgttcaaa aaaaatgttcaaa aaaaatgttcaaa 660  
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 tttttttttttt gttttttttttt gttttttttttt gttttttttttt gttttttttttt gttttttttttt 840  
 cccacccccc tggatgtttt aaaaatgttcaaa aaaaatgttcaaa aaaaatgttcaaa aaaaatgttcaaa 900  
 tggatgtttt gttttttttttt gttttttttttt gttttttttttt gttttttttttt gttttttttttt 960  
 gatataatgttcaaa aaaaatgttcaaa aaaaatgttcaaa aaaaatgttcaaa aaaaatgttcaaa 1020  
 aaaaatgttcaaa aaaaatgttcaaa aaaaatgttcaaa aaaaatgttcaaa aaaaatgttcaaa 1080  
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 aaaaatgttcaaa aaaaatgttcaaa aaaaatgttcaaa aaaaatgttcaaa aaaaatgttcaaa 1260  
 aaaaatgttcaaa aaaaatgttcaaa aaaaatgttcaaa aaaaatgttcaaa aaaaatgttcaaa 1320  
 aaaaatgttcaaa aaaaatgttcaaa aaaaatgttcaaa aaaaatgttcaaa aaaaatgttcaaa 1380  
 aaaaatgttcaaa aaaaatgttcaaa aaaaatgttcaaa aaaaatgttcaaa aaaaatgttcaaa 1440  
 tttttttttttt tttttttttttt tttttttttttt tttttttttttt tttttttttttt tttttttttttt 1500  
 ctgtttttttttt aaaaatgttcaaa aaaaatgttcaaa aaaaatgttcaaa aaaaatgttcaaa 1560  
 tttttttttttt tttttttttttt tttttttttttt tttttttttttt tttttttttttt tttttttttttt 1620  
 tttttttttttt tttttttttttt tttttttttttt tttttttttttt tttttttttttt tttttttttttt 1680  
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 tttttttttttt tttttttttttt tttttttttttt tttttttttttt tttttttttttt tttttttttttt 1920  
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<210> 476  
<211> 3434  
<212> DNA  
<213> *Homo sapiens*

<400> 476

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<210> 477  
 <211> 140  
 <212> PRT  
 <213> Homo sapiens

<400> 477  
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 20 25 30

Leu Ser His Tyr His Arg Asp Thr Arg His His His Thr Val Thr Trp Thr  
 35 40 45

His His His Thr Ile Glu His Thr Asp Thr Leu Pro Tyr Gly His Trp  
 50 55 60

His Thr His Cys His Thr Val Thr Trp Thr His Leu His Thr Ile Thr  
 65 70 75 80

Pro Pro His Thr Leu Pro Val Asp Thr Arg Thr His Arg His Cys His  
 85 90 95

Thr Asp Thr Gln Asn Thr Val Thr Arg Arg His His His Ala Asp Thr  
 100 105 110

Pro Pro Leu Trp Cys Arg Leu Asn Tyr Pro Ala Gly Gly Thr Ala Val  
 115 120 125

Ala Tyr Ser Cys Leu Ser Asp Trp Leu Ser Pro Gln  
 130 135 140

<210> 478  
 <211> 143  
 <212> PRT  
 <213> Homo sapiens

<400> 478  
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Ser His Gly His Thr Gly Ile Val Thr Trp Thr Asp Thr Gln Thr Tyr  
 20 25 30

Gly Glu Ile Thr Trp Thr His His His Thr Ile Thr Gly Thr Gln Thr  
 35 40 45

His Gly Asp Ile Thr Thr Trp Thr His Cys His Thr Thr Thr Gly Thr  
 50 55 60

Arg Asp Ile Thr Leu Ser His Gly His Thr Ile Thr His Met Asn Thr  
 65 70 75 80

Pro Thr His Cys His Met Asp Thr Gly Thr His Thr Ala Thr Leu Ser  
 85 90 95

His Gly His Thr Ser Thr Pro Ser His His His Thr His Cys Leu Trp  
 100 105 110

Thr Gln Gly His Thr Asp Thr Val Thr Gln Ile His Lys Thr Leu Ser  
 115 120 125

His Gly Asp Ile Thr Met Gln Ile His His His Ser Gly Ala Val  
 130 135 140

<210> 479

<211> 222

<212> PRT

<213> Homo sapiens

<400> 479

Met Tyr Arg His Thr Glu Thr Leu Pro His Gly Asp Thr Val Thr Gln  
 5 10 15

Ser His Glu His Thr Gly Ile Val Thr Trp Thr Asp Thr Gln Thr Tyr  
 20 25 30

Gly Glu Ile Thr Leu Thr His His His Thr Ile Thr Gly Thr Gln Thr  
 35 40 45

His Gly Asp Ile Thr Thr Trp Thr His Cys His Thr Thr Thr Gly Thr  
 50 55 60

Arg Asp Ile Thr Leu Ser His Gly His Thr Ile Thr His Met Asn Thr  
 65 70 75 80

Pro Thr His Cys His Met Asp Thr Ala Thr His Thr Ala Thr Leu Ser  
 85 90 95

His Gly His Thr Ser Ile Pro Ser His His His Thr His Cys His Val  
 100 105 110

Asp Thr Arg Thr His Arg His Cys His Thr Asp Thr Gln Asn Thr Val  
 115 120 125

Thr Arg Arg His His His Ala Asp Thr Pro Pro His Gly His Ser Thr  
 135 135 140

Arg His Ser Ala Thr Gln Ile His His His Thr Glu Met Arg Thr His  
 145 150 155 160

Cys His Thr Asp Thr Thr Ser Leu Pro His Phe His Val Ser Ala  
 165 170 175

Gly Gly Val Gly Pro Thr Thr Leu Gly Ser Asn Arg Glu Ile Thr Trp  
 180 185 190

Thr Tyr Ser Glu Gly Lys Ile Phe Phe Tyr Phe Leu Gly Asn Glu Ala  
 195 200 205

Arg Leu Cys Leu Lys Lys Arg Lys Lys Lys Gln Tyr Thr Val  
 210 215 220

&lt;210&gt; 480

&lt;211&gt; 144

&lt;212&gt; PBT

&lt;213&gt; Homo sapiens

&lt;400&gt; 480

Met	Glu	Pro	Tyr	Arg	Gly	Asn	Glu	Gln	Pro	Ser	Gln	Glu	Gln	Gly	Val
5															15

Cys	Cys	Leu	Trp	Gly	Leu	Gln	Ser	Leu	Pro	Gln	Gly	Ser	Tyr	Val	Thr
20															30

Val	Gly	Phe	Leu	Val	Val	Lys	Arg	Gln	Thr	Ile	Gly	Arg	Leu	Glu	Arg
35															45

Asp	Phe	Met	Phe	Lys	Cys	Arg	Lys	Gln	Pro	Gly	Leu	Pro	Pro	Ser	Gly
55															60

Leu	Cys	Leu	Leu	Trp	Pro	Trp	Pro	Asn	Leu	Glu	Phe	Gly	Arg	Arg	Gln
65															80

Asp	Arg	Leu	Thr	Trp	Ser	Ser	Val	Ser	Val	Ala	Gly	Val	Cys	Ala	Cys
85															95

Arg	Ala	Arg	Pro	Gly	Trp	Leu	Gly	Glu	Gln	Pro	Ala	Thr	Ser	Ala	Gly
100															110

Val	Arg	Leu	Glu	Gln	Val	Glu	Gln	Pro	Pro	Ala	His	Pro	Leu	Gln	Gln
115															125

Ala	Gly	Val	Ala	Arg	Phe	Pro	Arg	Pro	Glu	Trp	Val	Pro	Pro	Asn	Gly
130															140

&lt;210&gt; 481

&lt;211&gt; 167

&lt;212&gt; PPT

&lt;213&gt; Homo sapiens

&lt;400&gt; 481

Met	His	Gly	Pro	Gln	Val	Leu	Ala	Arg	Cys	Ser	Glu	Cys	Ala	Cys	Pro
5															15

Ala	Leu	Ala	Ala	Thr	Ser	Ala	Gly	Val	Arg	Leu	Glu	Gly	Val	Asp	Arg
20															30

Pro	Pro	Thr	Leu	Pro	Ser	Gln	Gly	Ser	Gly	Trp	Pro	Cys	Ser	His	Ser
35															45

Leu	Ser	Gly	Cys	His	Leu	Met	Ala	Asp	Gly	Ala	Lys	Ala	Leu	Gly	Lys
55															65

Ala	Asp	Gly	Pro	Trp	Pro	Tyr	Leu	Phe	Val	Arg	Arg	Thr	Asp	Val	Pro
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

65	70	75	80
Cys Pro Ala Ala Ser Glu Val Gly Gly	Cys Ala Pro Ser Ser	Trp Arg	
85	90	95	
Ala Leu Ala Glu Val Thr Gly Cys Ser Leu Gly Pro Leu Gly Leu Ala			
100	105	110	
Gln His Ala Gin Ala Ser Val Leu Leu Leu Cys Tyr Lys Trp Ser His			
115	120	125	
Ile Gly Glu Thr Ser Ser His Leu Arg Ser Lys Val Tyr Ala Ala Phe			
130	135	140	
Gly Gly Ser Ser Pro Cys Leu Lys Gly Leu Met Ser Leu Trp Ala Ser			
145	150	155	160
Trp Leu Ser Arg Gly Arg Pro			
165			

<210> 482  
 <211> 143  
 <212> PRT  
 <213> Homo sapiens

<400> 482			
Met Glu Pro Tyr Arg Gly Asn Lys Lys Gln Val Gln Glu Lys Gly Val			
5	10	15	
Pro Cys Leu Trp Gly Ser Ser Pro Cys Leu Arg Cys His Met Ala Leu			
20	25	30	
Arg Ala Ser Trp Leu Pro Gly Gly Pro Gln Ala Ile Leu Gly Arg			
35	40	45	
Thr Leu Cys Ser Ser Ala Glu Ser Ser Gln Asp Cys His Pro Gly Gly			
50	55	60	
Pro Ser Ile Ala Leu Ala Lys Pro Cys Arg Gly Val Trp Leu Leu Phe			
65	70	75	80
Glu Pro Ala Trp Pro Pro Trp His Ala Arg Ala Pro Gly Ala Gly Thr			
85	90	95	
Leu Leu Arg Val Cys Leu Ser Cys Leu Gly Cys His Leu Cys Gly Gly			
100	105	110	
Ala Ser Gly Gly Gly Pro Ala Thr Asn Leu Thr Cln Ser Arg Lys			
115	120	125	
Trp Met Ala Met Phe Pro Gln Pro Glu Trp Leu Pro Pro Asp Gly			
130	135	140	

<210> 483  
 <211> 143  
 <212> PRT

&lt;213&gt; Homo sapiens

<400> 483  
 Met Glu Thr Gln Arg Gly Asn Lys Gln Arg Ala Gln Glu Gln Gly Val  
 5 10 15

Cys Cys Leu Trp Gly Ser Ser Pro Cys Leu Gly Ser Tyr Gly Thr Ala  
 20 25 30

Gly Phe Leu Val Ala Lys Arg Arg Thr Thr Gly Leu Leu Glu Glu Asp  
 35 40 45

Pho Thr Phe Lys Cys Arg Lys Gln Pro Lys Leu Pro Ser Met Arg Leu  
 50 55 60

Ser Leu Leu Trp Pro Trp Arg Asp Leu Lys Phe Val Pro Arg Gln Asp  
 65 70 75 80

Lys Leu Thr Arg Ser Ser Val Ser Val Ala Gly Ala Tyr Ala Cys Arg  
 85 90 95

Ala Gly Pro Gly Trp Leu Lys Glu Gln Pro Ala Thr Ser Ala Arg Val  
 100 105 110

Arg Leu Val Gln Ala Glu Ile Pro Pro Pro His Pro Leu Glu Glu Val  
 115 120 125

Gly Met Ala Arg Phe Pro Gln Pro Glu Cys Leu Pro Pro Tyr Cys  
 130 135 140

&lt;210&gt; 484

&lt;211&gt; 30

&lt;212&gt; PRT

&lt;213&gt; Homo Sapien

<400> 484  
 Thr Ala Ala Ser Asp Asn Phe Gln Leu Ser Gln Gly Gly Gln Gly Phe  
 1 5 10 15  
 Ala Ile Pro Ile Gly Gln Ala Met Ala Ile Ala Gly Gln Ile  
 20 25 30

&lt;210&gt; 485

&lt;211&gt; 31

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Made in a lab

<400> 485  
 gggaaaccttta tccacctatgt gcccgccttg c

31

&lt;210&gt; 486

&lt;211&gt; 27

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Made in a lab  
 <400> 486  
 gcgaaatttc acgctgagta ttggcc  
 <210> 487  
 <211> 36  
 <212> DNA  
 <213> Artificial Sequence  
 <220>  
 <223> Made in a lab  
 <400> 487  
 cccgaattct tagctgccc tcogaacgcc ttccatc  
 <210> 488  
 <211> 33  
 <212> DNA  
 <213> Artificial Sequence  
 <220>  
 <223> Made in a lab  
 <400> 488  
 gggaaacctc tccccccgggt gcaccaggctg tgc  
 <210> 489  
 <211> 19  
 <212> PRT  
 <213> Artificial Sequence  
 <220>  
 <223> Made in a lab  
 <400> 489  
 Met Asp Arg Leu Val Glu Arg Phe Gly Thr Arg Ala Val Tyr Leu Ala  
 1 5 10 15  
 Ser Val Ala  
 <210> 490  
 <211> 20  
 <212> PRT  
 <213> Artificial Sequence  
 <220>  
 <223> Made in a lab  
 <400> 490  
 Tyr Leu Ala Ser Val Ala Ala Phe Pro Val Ala Ala Gly Ala Thr Cys  
 1 5 10 15  
 Leu Ser His Ser  
 20  
 <210> 491  
 <211> 20  
 <212> PRT

<213> Artificial Sequence  
<220>  
<223> Made in a lab  
<400> 491  
Thr Cys Leu Ser His Ser Val Ala Val Val Thr Ala Ser Ala Ala Leu  
1 5 10 15  
Thr Gly Phe Thr  
20  
<210> 492  
<211> 20  
<212> PRT  
<213> Artificial Sequence  
<220>  
<223> Made in a lab  
<400> 492  
Ala Leu Thr Gly Phe Thr Phe Ser Ala Leu Gin Ile Leu Pro Tyr Thr  
1 5 10 15  
Leu Ala Ser Leu  
20  
<210> 493  
<211> 20  
<212> PRT  
<213> Artificial Sequence  
<220>  
<223> Made in a lab  
<400> 493  
Tyr Thr Leu Ala Ser Leu Tyr His Arg Gly Lys Gln Val Phe Leu Pro  
1 5 10 15  
Lys Tyr Arg Gly  
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<210> 494  
<211> 20  
<212> PRT  
<213> Artificial Sequence  
<220>  
<223> Made in a lab  
<400> 494  
Leu Pro Lys Tyr Arg Gly Asp Thr Gly Gly Ala Ser Ser Glu Asp Ser  
1 5 10 15  
Leu Met Ile Ser  
20  
<210> 495  
<211> 20  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Made in a lab

<400> 495  
Asp Ser Leu Met Thr Ser Phe Leu Pro Gly Pro Lys Pro Gly Ala Pro  
1 5 10 15  
Phe Pro Asn Gly  
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<210> 496  
<211> 21  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Made in a lab

<400> 496  
Ala Pro Phe Pro Asn Gly His Val Gly Ala Gly Gly Ser Gly Leu Leu  
1 5 10 15  
Pro Pro Pro Pro Ala  
20

<210> 497  
<211> 20  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Made in a lab

<400> 497  
Leu Leu Pro Pro Pro Pro Ala Leu Cys Gly Ala Ser Ala Cys Asp Val  
1 5 10 15  
Ser Val Arg Val  
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<210> 498  
<211> 20  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Made in a lab

<400> 498  
Asp Val Ser Val Arg Val Val Val Gly Glu Pro Thr Glu Ala Arg Val  
1 5 10 15  
Val Pro Gly Arg  
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<210> 499  
<211> 20  
<212> PRT  
<213> Artificial Sequence

<220>



<210> Homo Sapiens  
 <220>  
 <221> misc\_feature  
 <223> (1)...(379)  
 <223> n = A,T,C or G  
 <400> 503  
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 agctatggtag tggatgggtt ccggccggct ccggggaaagg ggttgggnata ctcggatca  
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 ctgtggccaccc ggttggatgtt aaattdacca gtttgcaccc acggggacccg gccacccatt  
 tntgtggccatgg aggggggtttt sattataaaag acatttgggg ccggggccccc  
 tttcccttggc gcaatccaa  
 <210> 504  
 <211> 19  
 <212> PRT  
 <213> Artificial Sequence  
 <220>  
 <223> Made in a lab

<400> 504  
 Gly Phe Thr Asn Tyr Thr Asp Phe Glu Asp Ser Pro Tyr Phe Lys Glu  
 1 5 10 15  
 Asn Ser Ala

<210> 505  
 <211> 20  
 <212> PRT  
 <213> Artificial Sequence  
 <220>  
 <223> Made in a lab

<400> 505  
 Lys Glu Asn Ser Ala Phe Pro Pro Phe Cys Cys Asn Asp Asn Val Thr  
 1 5 10 15  
 Asn Thr Ala Asn  
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<210> 506  
 <211> 407  
 <212> DNA  
 <213> Homo Sapiens

<400> 506  
 atggagacag gctgtcgatc gttttcttcgtt gtcgtgtggc tccaaagggtt ccgtgtccatg  
 tccgtggggc agtcgggggg tccgtgtgtc acgtccgtggc caccctggcc actccaccc  
 acgtccatgtt gatccatccatc cagtagatgtt gcaatgtatcc ttccatggcc ggttccaccc  
 aatggggatgg aatccatccatgg atcaatgtatgtt tttgggtggta ggttccatccatc ccggggatgg  
 gtggaaaggcc gattccatccatc ttccatccatgg tccgtgtccatgg tggatgtccatgg aatgtccatgg  
 ctgtccatccatgg aatggccatggc caccatccatc ttgtccatggcc atatgtgtttt tttgtggatgg  
 ttgtggggcc caggccatccatc ggttccatccatc ttccatggcc aatccatccatc



<210> 511  
<211> 15  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Made in a lab

<400> 511

Tyr His Pro Ser Met Phe Cys Ala Gly Gly Gly Gln Asp Gln Lys  
1 5 10 15

<210> 512  
<211> 15  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Made in a lab

<400> 512

Asp Ser Gly Gly Pro Leu Ile Cys Asn Gly Tyr Leu Gln Gly Leu  
1 5 10 15

<210> 513  
<211> 15  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Made in a lab

<400> 513

Ala Pro Cys Gly Glu Val Gly Val Pro Asx Val Tyr Thr Asn Leu  
1 5 10 15

<210> 514  
<211> 15  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Made in a lab

<400> 514

Leu Cys Lys Phe Thr Glu Trp Ile Glu Lys Thr Val Gln Ala Ser  
1 5 10 15

<210> 515  
<211> 15  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Made in a lab

<400> 515  
Met Val Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg  
1 5 10 15

<210> 516  
<211> 15  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Made in a lab

<400> 516  
Val Ser Glu Ser Ser Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Glu  
1 5 10 15

<210> 517  
<211> 15  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Made in a lab

<400> 517  
Glu Val Cys Ser Lys Leu Tyr Asp Pro Leu Tyr His Pro Ser Met  
1 5 10 15

<210> 518  
<211> 15  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Made in a lab

<400> 518  
Arg Ala Glu Pro Gly Thr Glu Ala Arg Arg His Tyr Asp Glu Gly  
1 5 10 15

<210> 519  
<211> 17  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Made in a lab

<400> 519  
Arg Ala Glu Pro Gly Thr Glu Ala Arg Arg Asn Tyr Asp Glu Gly Cys  
1 5 10 15  
Gly

<210> 520  
<211> 25  
<212> PRT  
<213> Artificial Sequence

<220>  
 <223> Made in a lab  
  
 <400> 520  
 Val Gly Glu Gly Leu Tyr Gln Gly Val Pro Arg Ala Glu Pro Gly Thr  
 1 5 10 15  
 Glu Ala Arg Arg His Tyr Asp Glu Gly  
 20 25  
  
 <210> 521  
 <211> 31  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Made in a lab  
  
 <400> 521  
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 Pro Pro Pro Pro Ala  
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 <211> 20  
 <212> PRT  
 <213> Artificial Sequence  
  
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 <223> Made in a lab  
  
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 Phe Thr Gln Val  
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 Leu Gly Val Ala Gly Ser Leu Val Ser Gly Ser Cys Ser Gln Ile Ile  
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 Asn Gly Glu Asp Cys Ser Pro His Ser Gln Pro Trp Gln Ala Ala Leu  
 35 40 45

Val Met Glu Asn Glu Leu Phe Cys Ser Gly Val Leu Val His Pro Glu  
 50 55 60  
 Trp Val Leu Ser Ala Thr His Cys Phe Gln Asn Ser Tyr Thr Ile Gly  
 65 70 75 80  
 Leu Gly Leu His Ser Leu Glu Ala Asp Gln Glu Pro Gly Ser Gln Met  
 85 90 95  
 Val Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro Leu  
 100 105 110  
 Leu Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Gln Ser Val Ser Glu  
 115 120 125  
 Ser Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala  
 130 135 140  
 Gly Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Gly Arg  
 145 150 155 160  
 Met Pro Thr Val Leu Gln Cys Val Asn Val Ser Val Val Ser Glu Gln  
 165 170 175  
 Val Cys Ser Lys Leu Tyr Asp Pro Leu Tyr His Pro Ser Met Phe Cys  
 180 185 190  
 Ala Gly Gly Gly Gln Xaa Gln Xaa Asp Ser Cys Asn Gly Asp Ser Gly  
 195 200 205  
 Gly Pro Leu Ile Cys Asn Gly Tyr Leu Gln Gly Leu Val Ser Phe Gly  
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<210> 524  
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<212> DNA  
<213> *Homo sapiens*

<210> 525  
<211> 254  
<212> PRT  
<213> *Homo sapiens*

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Leu Gly Val Ala Gly Ser Leu Val Ser Gly Ser Cys Ser Gln Ile Ile
      20          25          30
Asp Gly Glu Asp Cys Ser Pro His Ser Gln Pro Trp Gln Ala Ala Leu

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35	40	45	
Val Met Glu Asn Glu Leu Phe Cys Ser Gly Val Leu Val His Pro Glu			
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Trp Val Leu Ser Ala Ala His Cys Phe Glu Asn Ser Tyr Thr Ile Gly			
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Ile Gly Leu His Ser Leu Glu Ala Asp Glu Glu Pro Gly Ser Gln Met			
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Val Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro Leu			
100	105	110	
Leu Ala Asp Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu			
115	120	125	
Ser Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Glu Cys Pro Thr Ala			
130	135	140	
Gly Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Gly Arg			
145	150	155	160
Met Pro Thr Val Leu Glu Cys Val Asn Val Ser Val Val Ser Glu Glu			
165	170	175	
Val Cys Ser Lys Leu Tyr Asp Pro Leu Tyr His Pro Ser Met Phe Cys			
180	185	190	
Ala Gly Gly Glu Asp Glu Lys Asp Ser Cys Asn Glu Asp Ser Gly			
195	200	205	
Gly Pro Leu Ile Cys Asn Gly Tyr Leu Glu Gly Leu Val Ser Phe Gly			
210	215	220	
Lys Ala Pro Cys Gly Glu Val Gly Val Pro Gly Val Tyr Thr Asn Leu			
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Cys Lys Phe Thr Glu Trp Ile Glu Lys Thr Val Gln Ala Ser			
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&lt;210&gt; 526

&lt;211&gt; 963

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 526

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tga

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&lt;210&gt; 527

&lt;211&gt; 320

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 527

Met Ser Ser Cys Asn Phe Thr His Ala Thr Phe Val Leu Ile Gly Ile  
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Pro Gly Leu Glu Lys Ala His Phe Trp Val Gly Phe Pro Leu Leu Ser  
 20 25 30

Met Tyr Val Val Ala Met Phe Gly Asn Cys Ile Val Val Phe Ile Val  
 35 40 45

Arg Thr Glu Arg Ser Leu His Ala Pro Met Tyr Leu Phe Leu Cys Met  
 50 55 60

Leu Ala Ala Ile Asp Leu Ala Leu Ser Thr Ser Thr Met Pro Lys Ile  
 65 70 75 80

Leu Ala Leu Phe Trp Phe Asp Ser Arg Glu Ile Ser Phe Glu Ala Cys  
 85 90 95

Leu Thr Gln Met Phe Phe Ile His Ala Leu Ser Ala Ile Glu Ser Thr  
 100 105 110

Ile Leu Leu Ala Met Ala Phe Asp Arg Tyr Val Ala Ile Cys His Pro  
 115 120 125

Leu Arg His Ala Ala Val Leu Asn Asn Thr Val Thr Ala Gln Ile Gly  
 130 135 140

Ile Val Ala Val Val Arg Gly Ser Leu Phe Phe Pro Leu Pro Leu  
 145 150 155 160

Leu Ile Lys Arg Leu Ala Phe Cys His Ser Asn Val Leu Ser His Ser  
 165 170 175

Tyr Cys Val His Gln Asp Val Met Lys Leu Ala Tyr Ala Asp Thr Leu  
 180 185 190

Pro Asn Val Val Tyr Gly Leu Thr Ala Ile Leu Leu Val Met Gly Val  
 195 200 205

Asp Val Met Phe Ile Ser Leu Ser Tyr Phe Leu Ile Ile Arg Thr Val  
 210 215 220

Leu Gln Leu Pro Ser Lys Ser Glu Arg Ala Lys Ala Phe Gly Thr Cys  
 225 230 235 240

Val Ser His Ile Gly Val Val Leu Ala Phe Tyr Val Pro Leu Ile Gly  
 245 250 255

Leu Ser Val Val His Arg Phe Gly Asn Ser Leu His Pro Ile Val Arg  
 260 265 270

Val Val Met Gly Asp Ile Tyr Leu Leu Leu Pro Pro Val Ile Asn Pro  
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Ile Ile Tyr Gly Ala Lys Thr Lys Gln Ile Arg Thr Arg Val Leu Ala  
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Met Phe Lys Ile Ser Cys Asp Lys Asp Leu Gln Ala Val Gly Gly Lys



<212> DNA  
<213> Homo sapiens

<210> 532  
<211> 292  
<212> PRT  
<213> Homo sapiens

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Val Iys Thr Leu Gly Ser Lys Arg Cys Lys Trp Cys Cys His Cys Phe  
 35 40 45

Pro Cys Cys Arg Gly Ser Gly Lys Ser Asn Val Val Ala Trp Gly Asp  
       58                   59                   60

Tyr Asp Asp Ser Ala Phe Met Asp Pro Arg Tyr His Val His Gly Glu  
65 70 75 80

Asp Leu Asp Lys Leu Sis Arg Ala Ala Trp Trp Gly Lys Val Pro Arg  
85 90 95

Lys Asp Leu Ile Val Met Leu Arg Asp Thr Asp Val Asn Lys Arg Asp  
100 105 110

Lys Gln Lys Arg Thr Ala Leu His Leu Ala Ser Ala Asn Gly Asn Ser  
115 120 125

Glu Val Val Lys Leu Val Leu Asp Arg Arg Cys Gln Leu Asn Val Leu  
130 135 140

Asp Asn Lys Lys Arg Thr Ala Leu Thr Lys Ala Val Gln Cys Gln Glu  
145 155 155 165

Asp Glu Cys Ala Leu Met Leu Leu Glu His Gly Thr Asp Pro Asn Ile  
166 170 175

Pro Asp Glu Tyr Gly Asn Thr Thr Leu His Tyr Ala Val Tyr Asn Glu  
180 185 190

Asp Lys Leu Met Ala Lys Ala Ile Leu Leu Tyr Gly Ala Asp Ile Glu  
195 200 205

Ser Lys Asn Lys His Gly Leu Thr Pro Leu Leu Leu Gly Ile His Glu  
210 215 220

Gln Lys Gln Gln Val Val Lys Phe Leu Ile Lys Lys Lys Ala Asn Leu  
225 230 235 240

Asn Ala Leu Asp Arg Tyr Gly Arg Thr Ala Leu Ile Leu Ala Val Cys  
245 250 255

Cys Gly Ser Ala Ser Ile Val Ser Pro Leu Leu Glu Gln Asn Val Asp  
260 265 270

Val Ser Ser Gin Asp Leu Glu Arg Arg Pro Glu Ser Met Leu Phe Leu  
 275 280 285

Val Ile Ile Met  
290

2208-533

«211» 801

<212> DNA

<213> *Homo sapiens*

$\times 400 \times 537$

210 534

5222.2 266

43427 PBT

<213> Homo sapiens

400 534

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Arg Lys Gln Ala Ala Gly Ser Gly Ala Gly Tyr Ala Leu Pro Ser Ala  
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Leu Gin Ser Met Pro Gln Gly Ser Tyr Ala Thr Ala Arg Phe Leu Val  
 35 40 45  
 Ala Lys Arg Pro Thr Thr Gly His Leu Glu Lys Glu Phe Met Phe His  
 50 55 60  
 Cys Arg Lys Gin Pro Gly Ser Pro Ser Arg Gly Leu Gly Leu Leu Trp  
 65 70 75 80  
 Pro Trp Pro Asp Ile Glu Phe Val Pro Arg Gln Asp Lys Leu Thr Gln  
 85 90 95  
 Ser Ser Val Leu Val Pro Gln Ile Cys Ala Cys Gln Thr Arg Pro Asn  
 100 105 110  
 Trp Leu Asn Glu Gin Pro Ala Thr Ser Ala Gly Val Arg Leu Glu Glu  
 115 120 125  
 Val Asp Gln Pro Pro Thr Leu Pro Ser Gln Gly Ser Gly Trp Pro Cys  
 130 135 140  
 Ser His Ser Leu Ser Gly His Leu Met Ala Asp Ile Ala Lys Ala  
 145 150 155 160  
 Leu Gly Lys Ala Asp Gly Pro Trp Pro Tyr Leu Phe Val Arg Arg Thr  
 165 170 175  
 Asp Val Pro Cys Pro Ala Ala Ser Glu Val Gly Gly Cys Ala Pro Ser  
 180 185 190  
 Ser Trp His Thr Leu Ala Glu Val Thr Gly Cys Ser Leu Ser Pro Leu  
 195 200 205  
 Ser Leu Ala Glu His Ala Gln Ala Ser Val Leu Leu Leu Cys Tyr Lys  
 210 215 220  
 Trp Ser His Ile Gly Glu Thr Ser Ser His Leu Arg Ser Lys Val Tyr  
 225 230 235 240  
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 245 250 255  
 Trp Ala Ser Trp Leu Pro Arg Gly Arg Pro  
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<212> DNA  
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2302 535

2212 6249

2323 DNA

<233> *Homo sapiens*

52392

42217 2004-07-09

4222 28535

<223> DeA,T,C or 0

<400> 536



5210x 523

卷之三

233 RBF

212 FBI

-4000- 832

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Asn Leu Cys Ser Arg Val Phe Phe Trp Trp Leu Asn Pro Leu Phe Lys

Ile Gly His Lys Arg Arg Leu Glu Glu Asp Asp Met Tyr Ser Val Leu

Pro Glu Asp Arg Ser Gln His Leu Gly Glu Glu Leu Gln Gly Phe Trp  
50 55 60

Asp-Lys-Glu-Val-Leu-Ala-Gln-Asp-Asp-Ala-Gln-Lys-pro-Ser-leu

65	70	75	80
Thr Arg Ala Ile Ile Lys Cys Tyr Trp Lys Ser Tyr Leu Val Leu Gly			
85		90	95
Ile Phe Thr Leu Ile Glu Glu Ser Ala Lys Val Ile Gln Pro Ile Phe			
100	105		110
Leu Gly Lys Ile Ile Asn Tyr Phe Glu Asn Tyr Asp Pro Met Asp Ser			
115	120	125	
Val Ala Leu Asn Thr Ala Tyr Ala Tyr Ala Thr Val Leu Thr Phe Cys			
130	135	140	
Thr Leu Ile Leu Ala Ile Leu His His Leu Tyr Phe Tyr His Val Gln			
145	150	155	160
Cys Ala Gly Met Arg Leu Arg Val Ala Met Cys His Met Ile Tyr Arg			
165		170	175
Lys Ala Leu Arg Leu Ser Asn Met Ala Met Gly Lys Thr Thr Thr Gly			
180	185	190	
Gln Ile Val Asn Leu Leu Ser Asn Asp Val Asn Lys Phe Asp Gln Val			
195	200	205	
Thr Val Phe Leu His Phe Leu Trp Ala Gly Pro Leu Gln Ala Ile Ala			
210	215	220	
Val Thr Ala Leu Leu Trp Met Glu Ile Gly Ile Ser Cys Leu Ala Gly			
225	230	235	240
Met Ala Val Leu Ile Leu Leu Pro Leu Gln Ser Cys Phe Gly Lys			
245	250	255	
Leu Phe Ser Ser Leu Arg Ser Lys Thr Ala Thr Phe Thr Asp Ala Arg			
260	265	270	
Ile Arg Thr Met Asn Glu Val Ile Thr Gly Ile Arg Ile Ile Lys Met			
275	280	285	
Tyr Ala Trp Glu Lys Ser Phe Ser Asn Leu Ile Thr Asn Leu Arg Lys			
290	295	300	
Lys Glu Ile Ser Lys Ile Leu Arg Ser Ser Cys Leu Arg Gly Met Asn			
305	310	315	320
Leu Ala Ser Phe Phe Ser Ala Ser Lys Ile Ile Val Phe Val Thr Phe			
325	330	335	
Thr Thr Tyr Val Leu Leu Gly Ser Val Ile Thr Ala Ser Arg Val Phe			
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Val Ala Val Thr Leu Tyr Gly Ala Val Arg Leu Thr Val Thr Leu Phe			
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Phe Pro Ser Ala Ile Glu Arg Val Ser Glu Ala Ile Val Ser Ile Arg			
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 Gln Leu Pro Ser Asp Gly Lys Lys Met Val His Val Gln Asp Phe Thr  
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 Ser His Gly Leu Val Ser Val His Gly Arg Ile Ala Tyr Val Ser Gln  
 465 470 475 480  
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 485 490 495  
 Lys Lys Tyr Glu Lys Glu Arg Tyr Glu Lys Val Ile Lys Ala Cys Ala  
 500 505 510  
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 515 520 525  
 Gly Asp Arg Gly Thr Thr Leu Ser Gly Gly Gln Lys Ala Arg Val Asn  
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 545 550 555 560  
 Pro Leu Ser Ala Val Asp Ala Glu Val Ser Arg His Leu Phe Gln Leu  
 565 570 575  
 Cys Ile Cys Gln Ile Leu His Glu Lys Ile Thr Ile Leu Val Thr His  
 580 585 590  
 Gln Leu Gln Tyr Leu Lys Ala Ala Ser Gln Ile Leu Ile Leu Lys Asp  
 595 600 605  
 Gly Lys Met Val Gln Lys Gly Thr Tyr Thr Glu Phe Leu Lys Ser Gly  
 610 615 620  
 Ile Asp Phe Gly Ser Leu Leu Lys Asp Asn Glu Glu Ser Gln  
 625 630 635 640  
 Pro Pro Val Pro Gly Thr Pro Thr Leu Arg Asn Arg Thr Phe Ser Glu  
 645 650 655  
 Ser Ser Val Trp Ser Gln Gln Ser Ser Arg Pro Ser Leu Lys Asp Gly  
 660 665 670  
 Ala Leu Glu Ser Gln Asp Thr Glu Asn Val Pro Val Thr Leu Ser Glu  
 675 680 685

Gln Asn Arg Ser Glu Gly Lys Val Gly Phe Gin Ala Tyr Lys Asn Tyr  
 690 695 700  
 705  
 Phe Arg Ala Gly Ala His Trp Ile Val Phe Ile Phe Leu Ile Leu Leu  
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 Tyr Trp Ala Asn Lys Gln Ser Met Leu Asn Val Thr Val Asn Gly Gly  
 745 750 755  
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 Gly Asn Val Thr Glu Lys Leu Asp Leu Asn Trp Tyr Leu Gly Ile Tyr  
 760 765 770  
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 Ser Gly Leu Thr Val Ala Thr Val Leu Phe Gly Ile Ala Arg Ser Leu  
 775 780 785  
 785  
 Leu Val Phe Tyr Val Leu Val Asn Ser Ser Gin Thr Leu His Asn Lys  
 790 795 800  
 805  
 Met Phe Glu Ser Ile Leu Lys Ala Pro Val Leu Phe Phe Asp Arg Asn  
 810 815 820  
 820  
 Pro Ile Gly Arg Ile Leu Asn Arg Phe Ser Lys Asp Ile Gly His Leu  
 825 830 835  
 835  
 Asp Asp Leu Leu Pro Leu Thr Phe Leu Asp Phe Ile Gln Thr Leu Leu  
 840 845 850  
 850  
 Gln Val Val Gly Val Val Ser Val Ala Val Ala Val Ile Pro Trp Ile  
 855 860 865  
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 Ala Ile Pro Leu Val Pro Leu Gly Ile Ile Phe Ile Phe Leu Arg Arg  
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 885  
 Tyr Phe Leu Glu Thr Ser Arg Asp Val Lys Arg Leu Glu Ser Thr Thr  
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 900  
 Arg Ser Pro Val Phe Ser His Leu Ser Ser Ser Leu Gln Gly Leu Trp  
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 915  
 Thr Ile Arg Ala Tyr Lys Ala Glu Glu Arg Cys Gln Glu Leu Phe Asp  
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 930  
 Ala His Gln Asp Leu His Ser Gln Ala Trp Phe Leu Phe Leu Thr Thr  
 935 940 945  
 945  
 Ser Arg Trp Phe Ala Val Arg Leu Asp Ala Ile Cys Ala Met Phe Val  
 950 955 960  
 955  
 Ile Ile Val Ala Phe Gly Ser Leu Ile Leu Ala Lys Thr Leu Asp Ala  
 970 975 980  
 980  
 Gly Gln Val Gly Leu Ala Leu Ser Tyr Ala Leu Thr Leu Met Gly Met  
 985 990 995  
 995  
 Phe Gln Trp Cys Val Arg Gln Ser Ala Glu Val Glu Asn Met Met Ile

995	1000	1005	
Ser Val Glu Arg Val Ile Glu Tyr Thr Asp Leu Glu Lys Glu Ala Pro			
1010	1015	1020	
Trp Glu Tyr Gln Lys Arg Pro Pro Pro Ala Trp Pro His Glu Gly Val			
1025	1030	1035	1040
Ile Ile Phe Asp Asn Val Asn Phe Met Tyr Ser Pro Gly Gly Pro Leu			
1045	1050	1055	1060
Val Leu Lys His Leu Thr Ala Leu Ile Lys Ser Gln Glu Lys Val Gly			
1060	1065	1070	
Ile Val Gly Arg Thr Gly Ala Gly Lys Ser Ser Leu Ile Ser Ala Leu			
1075	1080	1085	
Phe Arg Leu Ser Glu Pro Glu Gly Lys Ile Trp Ile Asp Lys Ile Leu			
1090	1095	1100	
Thr Thr Glu Ile Gly Leu His Asp Leu Arg Lys Lys Met Ser Ile Ile			
1105	1110	1115	1120
Pro Gln Glu Pro Val Leu Phe Thr Gly Thr Met Arg Lys Asn Leu Asp			
1125	1130	1135	
Pro Phe Asn Glu His Thr Asp Glu Glu Leu Trp Asn Ala Leu Gln Glu			
1140	1145	1150	
Val Gln Leu Lys Glu Thr Ile Glu Asp Leu Pro Gly Lys Met Asp Thr			
1155	1160	1165	
Glu Leu Ala Glu Ser Gly Ser Asn Phe Ser Val Gly Gln Arg Gln Leu			
1170	1175	1180	
Val Cys Leu Ala Arg Ala Ile Leu Arg Lys Asn Gln Ile Leu Ile Ile			
1185	1190	1195	1200
Asp Glu Ala Thr Ala Asn Val Asp Pro Arg Thr Asp Glu Leu Ile Gln			
1205	1210	1215	
Lys Lys Ser Gly Arg Asn Leu Pro Thr Ala Pro Cys			
1220	1225		
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<212> PRT			
<213> Homo sapiens			
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Met Tyr Ser Val Leu Pro Glu Asp Arg Ser Gln His Leu Gly Glu Glu			
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Leu Gln Gly Phe Trp Asp Lys Glu Val Leu Arg Ala Glu Asn Asp Ala			
20 25 30			
Gln Lys Pro Ser Leu Thr Arg Ala Ile Ile Lys Cys Tyr Trp Lys Ser			
35 40 45			

Tyr Leu Val Leu Gly Ile Phe Thr Leu Ile Glu Glu Ser Ala Lys Val  
 50 55 60  
 Ile Gin Pro Ile Phe Leu Gly Lys Ile Ile Asn Tyr Phe Glu Asn Tyr  
 65 70 75 80  
 Asp Pro Met Asp Ser Val Ala Leu Asn Thr Ala Tyr Ala Tyr Ala Thr  
 85 90 95  
 Val Leu Thr Phe Cys Thr Leu Ile Leu Ala Ile Leu His His Leu Tyr  
 100 105 110  
 Phe Tyr His Val Gin Cys Ala Gly Met Arg Leu Arg Val Ala Met Cys  
 115 120 125  
 His Met Ile Tyr Arg Lys Ala Leu Arg Leu Ser Asn Met Ala Met Gly  
 130 135 140  
 Lys Thr Thr Thr Gly Gin Ile Val Asn Leu Leu Ser Asn Asp Val Asn  
 145 150 155 160  
 Lys Phe Asp Gin Val Thr Val Phe Leu His Phe Leu Trp Ala Gly Pro  
 165 170 175  
 Leu Glu Ala Ile Ala Val Thr Ala Leu Leu Trp Met Glu Ile Gly Ile  
 180 185 190  
 Ser Cys Leu Ala Gly Met Ala Val Leu Ile Ile Leu Leu Pro Leu Glu  
 195 200 205  
 Ser Cys Phe Gly Lys Leu Phe Ser Ser Leu Arg Ser Lys Thr Ala Thr  
 210 215 220  
 Phe Thr Asp Ala Arg Ile Arg Thr Met Asn Glu Val Ile Thr Gly Ile  
 225 230 235 240  
 Arg Ile Ile Lys Met Tyr Ala Trp Glu Lys Ser Phe Ser Asn Leu Ile  
 245 250 255  
 Thr Asn Leu Arg Lys Lys Glu Ile Ser Lys Ile Leu Arg Ser Ser Cys  
 260 265 270  
 Leu Arg Gly Met Asn Leu Ala Ser Phe Phe Ser Ala Ser Lys Ile Ile  
 275 280 285  
 Val Phe Val Thr Phe Thr Thr Tyr Val Leu Leu Gly Ser Val Ile Thr  
 290 295 300  
 Ala Ser Arg Val Phe Val Ala Val Thr Leu Tyr Gly Ala Val Arg Leu  
 305 310 315 320  
 Thr Val Thr Leu Phe Phe Pro Ser Ala Ile Glu Arg Val Ser Glu Ala  
 325 330 335  
 Ile Val Ser Ile Arg Arg Ile Gin Thr Phe Leu Leu Leu Asp Glu Ile  
 340 345 350

Ser Gln Arg Asn Arg Gln Leu Pro Ser Asp Gly Lys Lys Met Val His  
 355 360 365  
 Val Gln Asp Phe Thr Ala Phe Trp Asp Lys Ala Ser Glu Thr Pro Thr  
 370 375 380  
 Leu Gln Gly Leu Ser Phe Thr Val Arg Pro Gly Glu Leu Leu Ala Val  
 385 390 395 400  
 Val Gly Pro Val Gly Ala Gly Lys Ser Ser Leu Leu Ser Ala Val Leu  
 405 410 415  
 Gly Glu Leu Ala Pro Ser His Gly Leu Val Ser Val His Gly Arg Ile  
 420 425 430  
 Ala Tyr Val Ser Gln Gln Pro Trp Val Phe Ser Gly Thr Leu Arg Ser  
 435 440 445  
 Asn Ile Leu Phe Gly Lys Lys Tyr Glu Lys Glu Arg Tyr Glu Lys Val  
 450 455 460  
 Ile Lys Ala Cys Ala Leu Lys Lys Asp Leu Gln Leu Leu Glu Asp Gly  
 465 470 475 480  
 Asp Leu Thr Val Ile Gly Asp Arg Gly Thr Thr Leu Ser Gly Gly Gln  
 485 490 495  
 Lys Ala Arg Val Asn Leu Ala Arg Ala Val Tyr Gln Asp Ala Asp Ile  
 500 505 510  
 Tyr Leu Leu Asp Asp Pro Leu Ser Ala Val Asp Ala Glu Val Ser Arg  
 515 520 525  
 His Leu Phe Glu Leu Cys Ile Cys Gln Ile Leu His Glu Lys Ile Thr  
 530 535 540  
 Ile Leu Val Thr His Gln Leu Gln Tyr Leu Lys Ala Ala Ser Gln Ile  
 545 550 555 560  
 Leu Ile Leu Lys Asp Gly Lys Met Val Gln Lys Gly Thr Tyr Thr Glu  
 565 570 575  
 Phe Leu Lys Ser Gly Ile Asp Phe Gly Ser Leu Leu Lys Lys Asp Asn  
 580 585 590  
 Glu Glu Ser Glu Gln Pro Pro Val Pro Gly Thr Pro Thr Leu Arg Asn  
 595 600 605  
 Arg Thr Phe Ser Glu Ser Ser Val Trp Ser Gln Gln Ser Ser Arg Pro  
 610 615 620  
 Ser Leu Lys Asp Gly Ala Leu Glu Ser Gln Asp Thr Glu Asn Val Pro  
 625 630 635 640  
 Val Thr Leu Ser Glu Glu Asn Arg Ser Glu Gly Lys Val Gly Phe Gln  
 645 650 655  
 Ala Tyr Lys Asn Tyr Phe Arg Ala Gly Ala His Trp Ile Val Phe Ile

660	665	670
Phe Leu Ile Leu Leu Asn Thr Ala Ala Gln Val Ala Tyr Val Leu Gln		
575	580	585
Asp Trp Trp Leu Ser Tyr Trp Ala Asn Lys Gln Ser Met Leu Asn Val		
690	695	700
Thr Val Asn Gly Gly Asn Val Thr Glu Lys Leu Asp Leu Asn Trp		
705	710	715
Tyr Leu Gly Ile Tyr Ser Gly Leu Thr Val Ala Thr Val Leu Phe Gly		
725	730	735
Ile Ala Arg Ser Leu Leu Val Phe Tyr Val Leu Val Asn Ser Ser Gln		
740	745	750
Thr Leu His Asn Lys Met Phe Glu Ser Ile Leu Lys Ala Pro Val Leu		
755	760	765
Phe Phe Asp Arg Asn Pro Ile Gly Arg Ile Leu Asn Arg Phe Ser Lys		
770	775	780
Asp Ile Gly His Leu Asp Asp Leu Leu Pro Leu Thr Phe Leu Asp Phe		
785	790	795
Ile Gln Thr Leu Leu Gln Val Val Gly Val Val Ser Val Ala Val Ala		
805	810	815
Val Ile Pro Trp Ile Ala Ile Pro Leu Val Pro Leu Gly Ile Ile Phe		
820	825	830
Ile Phe Leu Arg Arg Tyr Phe Leu Glu Thr Ser Arg Asp Val Lys Arg		
835	840	845
Leu Glu Ser Thr Thr Arg Ser Pro Val Phe Ser His Leu Ser Ser Ser		
850	855	860
Ile Gln Gly Leu Trp Thr Ile Arg Ala Tyr Lys Ala Glu Glu Arg Cys		
865	870	875
Gln Glu Leu Phe Asp Ala His Gln Asp Leu His Ser Glu Ala Trp Phe		
885	890	895
Leu Phe Leu Thr Thr Ser Arg Trp Phe Ala Val Arg Leu Asp Ala Ile		
900	905	910
Cys Ala Met Phe Val Ile Ile Val Ala Phe Gly Ser Leu Ile Leu Ala		
915	920	925
Lys Thr Leu Asp Ala Gly Gln Val Gly Leu Ala Leu Ser Tyr Ala Leu		
930	935	940
Thr Leu Met Gly Met She Gln Trp Cys Val Arg Gln Ser Ala Glu Val		
945	950	955
Glu Asn Met Met Ile Ser Val Glu Arg Val Ile Glu Tyr Thr Asp Leu		
965	970	975

Glu Lys Glu Ala Pro Trp Glu Tyr Glu Lys Arg Pro Pro Pro Ala Trp  
 980 985 990  
 Pro His Glu Gly Val Ile Ile Phe Asp Asn Val Asn Phe Met Tyr Ser  
 995 1000 1005  
 Pro Gly Gly Pro Leu Val Leu Lys His Leu Thr Ala Leu Ile Lys Ser  
 1010 1015 1020  
 Gln Glu Lys Val Gly Ile Val Gly Arg Thr Gly Ala Gly Lys Ser Ser  
 1025 1030 1035 1040  
 Leu Ile Ser Ala Leu Phe Arg Leu Ser Glu Pro Glu Gly Lys Ile Trp  
 1045 1050 1055  
 Ile Asp Lys Ile Leu Thr Thr Glu Ile Gly Leu His Asp Leu Arg Lys  
 1060 1065 1070  
 Lys Met Ser Ile Ile Pro Gln Glu Pro Val Leu Phe Thr Gly Thr Met  
 1075 1080 1085  
 Arg Lys Asn Leu Asp Pro Phe Asn Glu His Thr Asp Glu Glu Leu Trp  
 1090 1095 1100  
 Asn Ala Leu Gln Glu Val Gln Leu Lys Glu Thr Ile Glu Asp Leu Pro  
 1105 1110 1115 1120  
 Gly Lys Met Asp Thr Glu Leu Ala Glu Ser Gly Ser Asn Phe Ser Val  
 1125 1130 1135  
 Gly Gln Arg Gln Leu Val Cys Leu Ala Arg Ala Ile Leu Arg Lys Asn  
 1140 1145 1150  
 Gln Ile Leu Ile Ile Asp Glu Ala Thr Ala Asn Val Asp Pro Arg Thr  
 1155 1160 1165  
 Asp Glu Leu Ile Gln Lys Lys Ile Arg Glu Lys Phe Ala His Cys Thr  
 1170 1175 1180  
 Val Leu Thr Ile Ala His Arg Leu Asn Thr Ile Ile Asp Ser Asp Lys  
 1185 1190 1195 1200  
 Ile Met Val Leu Asp Ser Gly Arg Leu Lys Glu Tyr Asp Glu Pro Tyr  
 1205 1210 1215  
 Val Leu Leu Gln Asn Lys Glu Ser Leu Phe Tyr Lys Met Val Gln Gln  
 1220 1225 1230  
 Leu Gly Lys Ala Glu Ala Ala Ala Leu Thr Glu Thr Ala Lys Gln Arg  
 1235 1240 1245  
 Trp Gly Phe Thr Met Leu Ala Arg Leu Val Ser Asn Ser  
 1250 1255 1260  
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<210> Artificial Sequence

<220>

<223> Made in a lab

<400> 539

Cys Leu Ser His Ser Val Ala Val Val Thr  
1 5 10

<210> 540

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

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<400> 540

Ala Val Val Thr Ala Ser Ala Ala Leu  
1 5

<210> 541

<211> 14

<212> PRT

<213> Homo sapiens

<400> 541

Leu Ala Gly Leu Leu Cys Pro Asp Pro Arg Pro Leu Glu Leu  
5 10

<210> 542

<211> 15

<212> PRT

<213> Homo sapiens

<400> 542

Thr Gln Val Val Phe Asp Lys Ser Asp Leu Ala Lys Tyr Ser Ala  
5 10 15

<210> 543

<211> 12

<212> PRT

<213> Homo sapiens

<400> 543

Phe Met Gly Ser Ile Val Gln Ieu Ser Gln Ser Val  
5 10

<210> 544

<211> 19

<212> PRT

<213> Homo sapiens

<400> 544

Thr Tyr Val Pro Pro Leu Leu Leu Glu Val Gly Val Glu Glu Lys Phe

S 10 15

Met Thr

<210> 545  
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 <212> PRT  
 <213> Homo sapiens

<400> 545  
 Met Asp Arg Leu Val Gln Arg Phe Gly Thr Arg Ala Val Tyr Leu Ala  
 5 10 15

Ser Val

<210> 546  
 <211> 29  
 <212> PRT  
 <213> Homo sapiens

<400> 546  
 Phe Val Gly Glu Gly Leu Tyr Gln Gly Val Pro Arg Ala Glu Pro Gly  
 5 10 15

Thr Glu Ala Arg Arg His Tyr Asp Glu Gly Val Arg Met  
 20 25

<210> 547  
 <211> 58  
 <212> PRT  
 <213> Homo sapiens

<400> 547  
 Val Ala Glu Glu Ala Ala Leu Gly Pro Thr Glu Pro Ala Glu Gly Leu  
 5 10 15

Ser Ala Pro Ser Ieu Ser Pro His Cys Cys Pro Cys Arg Ala Arg Leu  
 20 25 30

Ala Phe Arg Asn Leu Gly Ala Leu Leu Pro Arg Leu His Glu Leu Cys  
 35 40 45

Cys Arg Met Pro Arg Thr Leu Arg Arg Leu  
 50 55

<210> 548  
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 Ile Asp Trp Asp Thr Ser Ala Leu Ala Pro Tyr Leu Gly Thr Glu Glu

5

10

15

Glu Cys

<210> 549  
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<212> PRT  
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<400> 549  
Leu Glu Ala Leu Leu Ser Asp Leu Phe Arg Asp Pro Asp His Cys Arg  
5 10 15

Gln Ala

<210> 550  
<211> 14  
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5 10

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Phe Asp Lys Ser Asp Leu Ala Lys Tyr Ser Ala  
1 5 10